From: **Cynthia Caporale/ESC/R3/USEPA/US**
Sent: 4/6/2012 2:19:45 PM

To: Ex. 4 - CBI @lmco.com
CC: Ex. 4 - CBI @lmco.com; Ed Messer/ESC/R3/USEPA/US@EPA; Fred Foreman/ESC/R3/USEPA/US@EPA; Gary Newhart/CI/USEPA/US@EPA; John Gilbert/CI/USEPA/US@EPA; Kelley Chase/R3/USEPA/US@EPA; Robin Costas/ESC/R3/USEPA/US@EPA; Ex. 4 - CBI @lmco.com; Ex. 4 - CBI @lmco.com; Stevie Wilding/ESC/R3/USEPA/US; Ed Messer/ESC/R3/USEPA/US@EPA; Mahoney.Mike@epa.gov
Subject: RE: EXTERNAL: Re: Verification/Completeness Check for Dimock (R3 WO 1202005 PART 1 Posted Mar 15)

Ex. 4 - CBI and Kelley,

This approach is acceptable.

Cindy

Cynthia Caporale, Chief
OASQA Laboratory Branch
U.S. EPA Region III
Environmental Science Center
Fort Meade, MD
(410) 305-2732
Fax: (410) 305-3095

From: **Ex. 4 - CBI** @lmco.com>
To: Cynthia Caporale/ESC/R3/USEPA/US@EPA
Cc: **Ex. 4 - CBI** @lmco.com>, Gary Newhart/CI/USEPA/US@EPA, John Gilbert/CI/USEPA/US@EPA, Kelley Chase/R3/USEPA/US@EPA, **Ex. 4 - CBI** n@lmco.com>, Ed Messer/ESC/R3/USEPA/US@EPA, Fred Foreman/ESC/R3/USEPA/US@EPA, Robin Costas/ESC/R3/USEPA/US@EPA, Stevie Wilding/ESC/R3/USEPA/US
Date: 04/03/2012 04:46 PM
Subject: RE: EXTERNAL: Re: Verification/Completeness Check for Dimock (R3 WO 1202005 PART 1 Posted Mar 15)

Cindy,

If that is the practice used by R3 to validate data, I will direct the SERAS staff on-site to elevate the RL to the level found in the field blank. Since R3 practice is to elevate all samples in the batch to the highest level found in the blanks, I am assuming that the RL for all samples (total and filtered) in Batches BB21502, BB21505 and BB22103 will be 7.4 ug/L based on FB18 collected on 2/15/12. Anything over that is not qualified. Please confirm.

Ex. 4 - CBI

From: Cynthia Caporale [mailto:Caporale.Cynthia@epamail.epa.gov]
Sent: Tuesday, April 03, 2012 3:27 PM
To: Ex. 4 - CBI
Cc: Ex. 4 - CBI Gary Newhart; John Gilbert; Kelley Chase; Ex. 4 - CBI Ed Messer; Fred Foreman; Robin Costas; Stevie Wilding
Subject: EXTERNAL: Re: Verification/Completeness Check for Dimock (R3 WO 1202005 PART 1 Posted Mar 15)

Deb and Kelley,

The report on the Dimock Verification/Completeness Check for file 1202005 FINAL Part 1 of 3 R33907 03 15 12 1429.pdf was reviewed and below are the responses for your consideration.

Please note that we (including QA Staff responsible for R3 Data Validation) disagree with the approach taken for Item #1. A response is provided and if further discussion is needed please let me know and we'll arrange a conference call.

File 1202005 FINAL PART 1 of 3 R33907 03 15 12 1429.pdf

1. Copper was found above the RL in FB18 collected on 2/15/12. FB16 collected on 2/13/12 and FB17 collected on 2/14/12 did not contain copper above the RL. Results for copper for sample HW07 should be qualified estimated "J". The remaining samples in batches BB21502 (HW27z-F, HW27-F, Hw27z and HW27) and BB21505 (HW59, HW11-P, HW53, HW53-P, HW57-P, HW59-F, HW11-PF, HW53-F, HW53-PF, HW57-PF and HW57) should not be qualified in the result column in Scribe even though "B" flags were assigned by the laboratory.

Response: **Region 3 Data Validation Procedures include criteria for qualifying samples based on field blanks. According to Region 3 procedures results that are 5x or 10x below the amount found in a field or method blank are qualified "B." Since the "B" qualifier is not being used for this project, we highly recommend the quantitation limit be raised and qualified as "U." Retaining the value and qualifying "J" is not recommended for the data use involved with the project as it tends to cause confusion as to the presence of a compound or constituent when really the value was due to blank contamination.**

2. The RPD for arsenic for sample HW27 (lab #1202005-08) exceeded the RPD criterion. Since the source result and the duplicate are within five times the RL and it is not possible to ascertain if the remaining samples in the batch are sufficiently similar, this reviewer agrees with the "J" qualifier applied to sample HW27 only. The "J" flag should be carried over into the Scribe result qualifier column.

Response: **We Agree.**

3. The MS recovery for sample HW53 (lab #1202005-14) exceeded the 70-130% criterion. Since it is not possible to ascertain if the remaining samples in the batch are sufficiently similar, this reviewer agrees with the "J" qualifier applied to sample HW53 only. The "J" flag should be carried over into the Scribe result qualifier column.

Response: **We Agree.**

4. The LCS recovery for tin for Batch BB22103 exceeded the 85-115% criterion. No additional qualifications are required since the samples were non-detect for tin in this batch.

Response: **We Agree.**

5. The RPD for nickel for sample HW03 (lab #1202005-34) exceeded the RPD criterion. Since the source result and the duplicate are within five times the RL and it is not possible to ascertain if the remaining samples in the batch are sufficiently similar, this reviewer agrees with the "J" qualifier applied to sample HW03 only. The "J" flag should be carried over into the Scribe result qualifier column.

Response: **We Agree.**

6. There were several metals that exceeded the secondary MCLs: Aluminum for HW57-PF; iron for HW57, HW03 and HW03z; and manganese for HW53, HW57, HW03, HW03-F, HW03z, HW03z-F and HW07

Response: **No comment.**

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To: Cynthia Caporale/ESC/R3/USEPA/US@EPA, Kelley Chase/R3/USEPA/US@EPA
Cc: John Gilbert/CI/USEPA/US@EPA, Gary Newhart/CI/USEPA/US@EPA, Ex. 4 - CBI @lmco.com>, Ex. 4 - CBI
Ex. 4 - CBI @lmco.com>

Date: 03/21/2012 11:29 AM
Subject: Verification/Completeness Check for Dimock (R3 WO 1202005 PART 1 Posted Mar 15)

.....is attached for your review and consideration.

Ex. 4 - CBI

Lockheed Martin

Scientific, Engineering, Response and Analytical Services (SERAS)

Ex. 4 - CBI

[attachment "SERAS-172-DSR-032112_32.docx" deleted by Cynthia Caporale/ESC/R3/USEPA/US]